OPNAVINST 3510
N789J3
30 June 2002

OPNAV INSTRUCTION 3510

From: Chief of Naval Operations

Subj: AIR NAVAL TACTICS, TECHNIQUES AND PROCEDURES (AIR NTTP) MANUALS AND NAVAL AVIATION TECHNICAL INFORMATION PRODUCT (NATIP) PROGRAM

Ref: (a) AIR NTTP Program Management Guide
(b) The Naval Warfare Library (NTTP 1-01)

1. Purpose. To provide for the management of Navy and Marine Corps aviation tactics, techniques, procedures and technical information associated with the Air Tactics Manual Program and set forth standardized procedures for the preparation and update of AIR NTTP and NATIP publications. This instruction should be used in conjunction with reference (a), which provides guidance for the management, review, production and distribution of all AIR NTTP volumes.

2. Discussion

a. General. This instruction delineates a complete rewrite and restructure of the Aircraft Tactical Manual (AIRTACMAN) program into AIR NTTP (NTTP 3-22.5-XXXX series) and NATIP publications. Older versions still retaining the NWP designation shall be re-designated NTTP. The NTTP program is a series of comprehensive tactical force employment manuals comprising lessons learned from previous conflicts, operational evaluations, training exercises, tactics development programs and threat analysis. The AIR NTTP program is managed by Naval Strike and Air Warfare Center (NSAWC). The NATIP series is a compilation of pertinent technical data that is required for the operator to safely and effectively employ the aircraft and weapon systems. NATIP publications will be the foundation on which NTTPs are developed and provide limitations and safety of flight information. Commander, Naval Air Systems Command (AIR 4.0P), will manage this program. The AIR NTTP and NATIP series shall be the primary tactical references for Naval Aviation. The Chief of Naval Operations (CNO) shall oversee the execution of the AIR NTTP program. The near-term goal is to move from paper-based tactical publications to CD-ROM based, SIPRNET accessible digital media with limited hard-copy distribution.

b. Transition. The AIR NTTP production process will be integrated with the U. S. Air Force AFTTP Program at the Air Warfare Center Test, Training and Warfare Division (AWFC/TDW) located at Nellis AFB, Nevada. NATIP documents will be developed and published by COMNAVAIRSYSCOM. The Naval Warfare Development Command (NWDC) maintains

reference (b), the Navy Warfare Library, and has established procedures for the development and dissemination of tactics and doctrine at various levels throughout the Fleet. The CNO goal is to fully integrate the AIR NTTP program into the Navy Warfare Library system, while maintaining overall program management and oversight as described in paragraph (a) above. During the development of AIR NTTPs, CNO (N78) will resolve conflicts between this instruction and established NWDC/Marine Corps Combat Development Command (MCCDC) doctrine development procedures.

c. AIR NTTP Concept. The goal of the AIR NTTP program is to review each AIR NTTP volume on a 24-month cycle. The review cycle has four phases: pre-conference, conference, production and distribution. Volume Managers coordinate the overall production process for their assigned volumes; the Model Managers set the agenda for their respective conferences and manage the revision of all assigned volumes under review. The Model Manager has primary influence on the volume's content and ensures maximum participation from operational flying units. The Volume Manager's primary duty is to manage the conference review cycle. The conference delegates (subject matter experts from Fleet squadrons) determine the content of the volume. Goals and procedures for each of the four phases are detailed in reference (a).

d. NATIP Concept. There will be no scheduled review process for NATIPs. As equipment procurement and airframe changes occur, necessary revisions and changes will be made to a master copy hosted on a SIPRNET web site, as needed. COMNAVAIRSYSCOM will participate in the AIR NTTP pre-conference activities to solicit operator inputs for NATIP changes.

3. Responsibilities

a. CNO (N78) / (N789). N78 (Director, Aviation Warfare) is responsible for the overall AIR NTTP and NATIP programs. N789 (Aviation Manpower and Training Division) is designated as Program Administrator. N789 will:

(1) Meet semi-annually with the AIR NTTP Program Manager (NSAWC) and the NATIP Program Manager, COMNAVAIRSYSCOM (AIR 4.0P) to review mid-year and end-of-year program reports.

(2) Program funding for AIR NTTP and NATIP development and sustainment at NSAWC and COMNAVAIRSYSCOM, respectively; and, establish annual funding controls for both programs.

b. NSAWC

(1) NSAWC is designated as AIR NTTP Program Manager and is responsible to CNO (N78) for the following functions:

(a) Manage the AIR NTTP process for all Navy and Marine Corps aviation communities to ensure that AIR NTTP publications are accurate, current, and reviewed in a conference forum every 2 years at a minimum.

(b) Draft and maintain a Memorandum of Understanding with Commander, USAF Air Warfare Center for consolidation of facilities and manpower at Nellis AFB in the production of AIR NTTP publications.

(c) Manage the obligation and expenditure of AIR NTTP funds and report semi-annually to CNO (N78), copy to COMNAVAIRSYSCOM (4.0P), on the status of AIR NTTP and NATIP programs. This report should show the current and projected status of program finances, highlighting any communities that will not achieve a two-year AIR NTTP conference review goal, or are backlogged in NATIP development, and provide recommendations for program adjustments.

(2) Coordinate civilian staffing requirements with AWFC/TDW and provide funding through AIR NTTP sources.

(3) Provide one Navy Officer (O-4) to the AWFC/TDW staff as the AIR NTTP Coordinator.

(4) Provide one naval officer (O-3) and one enlisted personnel (E-4) to AWFC/TDW as AIR NTTP Navy Volume Managers. These personnel will function under the supervision of the AIR NTTP Coordinator.

(5) Act as the Primary Review Authority (PRA) with duties as shown below for publications assigned in reference (a).

c. Naval Air Systems Command (NAVAIR)

(1) NAVAIR (AIR 4.0P) is designated as NATIP Program Manager and is responsible to CNO (N78) for the following functions within the program:

(a) Manage the NATIP program for all aviation communities to ensure that NATIPs are accurate, current, and reviewed in a timely fashion.

(b) Develop and maintain a central engineering data repository.

(c) Manage the obligation and expenditure of NATIP funds and report semi-annually to NSAWC for inclusion in comprehensive reporting to CNO (N78).

(2) COMNAVAIRSYSCOM will conduct technical analysis to provide data for NATIP volumes for each T/M/S aircraft as required or to the extent funded within the budget process. These volumes will be COMNAVAIRSYSCOM publications in compliance with reference (a). They may contain the following as required:

(a) Aircraft operating limitations.

(b) Stores limitations.

(c) Weapons fusing.

(d) Minimum arming time criteria.

(e) Minimum safe release altitudes for fragment avoidance.

(f) Other data as required (as determined by Program Managers and COMNAVAIRSYSCOM).

(3) Act as the Primary Review Authority for NATIPs and forward each publication with Letter of Approval for NWDC endorsement.

d. Commander, Operational Test and Evaluation Force (COMOPTEVFOR) will act as the Primary Review Authority for publications assigned in reference (a).

e. Marine Aviation Weapons and Tactics Squadron 1 (MAWTS-1)

(1) Act as the Primary Review Authority for publications assigned in reference (a).

(2) Provide one Marine officer (O-3) and one enlisted personnel (E-4) to AWFC/TDW as AIR NTTP Marine Corps Volume Managers.

f. NWDC/ Marine Corps Combat Development Command (MCCDC) Doctrine Division

(1) Responsible for ensuring that all AIR NTTP and NATIP volumes comply with doctrine requirements and appropriate terminology.

(2) Primary coordination point for developing new AIR NTTPs and Marine Corps Warfighting Publications (MCWPs) that may develop as a result of efforts to reduce duplication among AIR NTTP manuals.

(3) Posts approved AIR NTTPs and NATIPs on the NWDC/MCCDC SIPRNET website.

(4) NWDC will include approved AIR NTTPs and NATIPs on the Navy Warfare Electronic Library (NWEL) CD-ROM.

g. AIR NTTP Coordinator

(1) The AIR NTTP Coordinator will be assigned by NSAWC to the AWFC/TDW staff at Nellis AFB and will be responsible to the Program Manager for providing conference facilities, automated data processing, editing and multi-media support for production, revisions and updates for all AIR NTTP volumes.

(2) In coordination with AWFC staff and Primary Review Authorities (PRAs), prepare a fiscal year Review Conference Schedule and submit to the Program Manager for approval and funding.

(3) Act as direct liaison between the Program Manager and AWFC/TDW on all issues concerning AIR NTTP conference scheduling, production and distribution.

(4) Ensure reference (a) is maintained and disseminated to the Program Manager and PRAs.

(5) Supervise the Navy and Marine Corps Volume Managers in the execution of their assigned duties to ensure AIR NTTP review cycle milestones are achieved, and equitable distribution of resources and available conference slots is maintained.

h. Volume Manager

(1) Volume Mangers will be assigned to the AWFC/TDW staff at Nellis AFB under the supervision of the AIR NTTP Coordinator. The NTTP Volume Manager staff will consist of a Navy Volume Manager and Marine Corps Volume Manager, with one assistant each.

(2) Volume Managers are responsible for all pre-conference, conference, and post-conference actions to facilitate review, upgrade production and distribution of AIR NTTP CD-ROMs and manuals in accordance with reference (a).

(3) Ensure all Review Conference actions and milestones are met in accordance with reference (a).

(4) Maintain a Distribution List for each AIR NTTP and provide to each Model Manager seventy (70) days prior to the scheduled review conference date.

(5) Assistant Volume Manager duties include assisting the Volume Manager in execution of assigned duties and responsibility for all Volume Manager duties in his or her absence.

i. Primary Review Authority (PRA)

(1) The PRA is the command overall responsible for the content of a specific AIR NTTP volume. The responsibilities include:

(a) Oversight of all assigned publications.

(b) Designation of Model Managers who will act on their behalf as the primary point of contact for all matters relating to the specific aircraft/subject.

(c) Provide prioritized AIR NTTP review requirements to the AIR NTTP Coordinator for inclusion into the fiscal year Review Conference Schedule.

(d) Approve AIR NTTPs and forward publication with Letter of Approval signed by the PRA for NWDC endorsement.

(e) Coordinate with the Program Manager and NTTP Coordinator budget limits and travel constraints and determine which conference attendees will receive NTTP funding.

j. Model Manager (MM)

(1) The Model Manager for each AIR NTTP is assigned by the PRA. For the purposes of the AIR NTTP program, the PRA may assume the role of MM or delegate the responsibilities to a subordinate command/unit.

(2) The MM is responsible for all pre-conference, conference, and post-conference actions in accordance with reference (a).

(3) Review/update the Distribution List for AIR NTTP manuals prior to a Review Conference.

(4) Function as the single POC for the development and maintenance of Tactics, Techniques and Procedures for the assigned platform.

(5) Assist the Volume Manager with facilitation of the Review Conference as necessary. Advise the Volume Manager of hard copy/CD-ROM requirements.

(6) Solicit community input for tactical and technical information for AIR NTTP Review Conferences.

(7) Determine proper security classification of each AIR NTTP publication.

4. Proposed Changes. Proposed changes to this instruction will be submitted to CNO (N78) via CNO (N789).

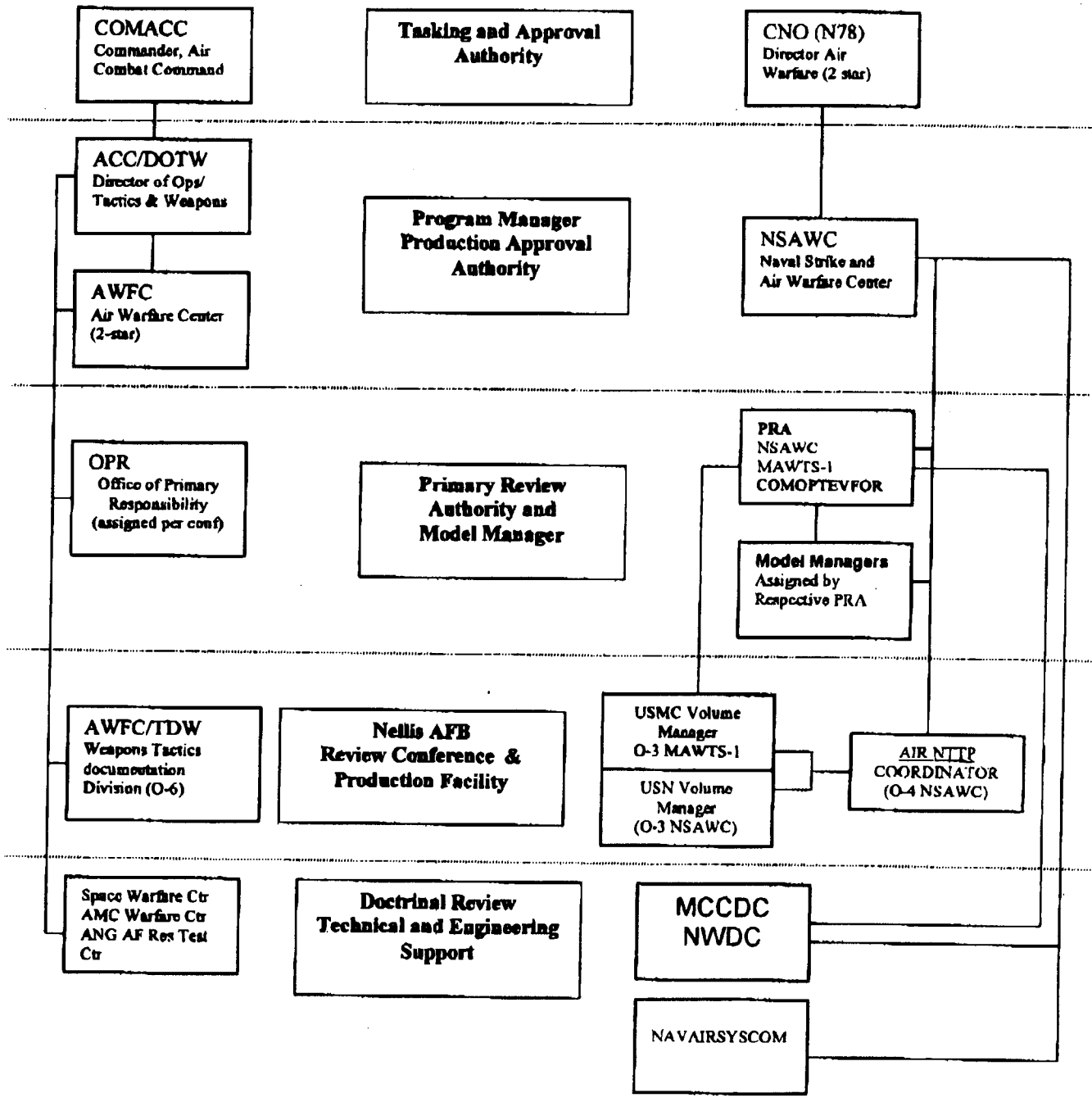
5. Reports. The reporting requirement contained in Paragraph 3(b)(1)(c) is exempt from reports control per SECNAVINST 5214.2B.

M. J. McCabe
Director, Air Warfare

Distribution:

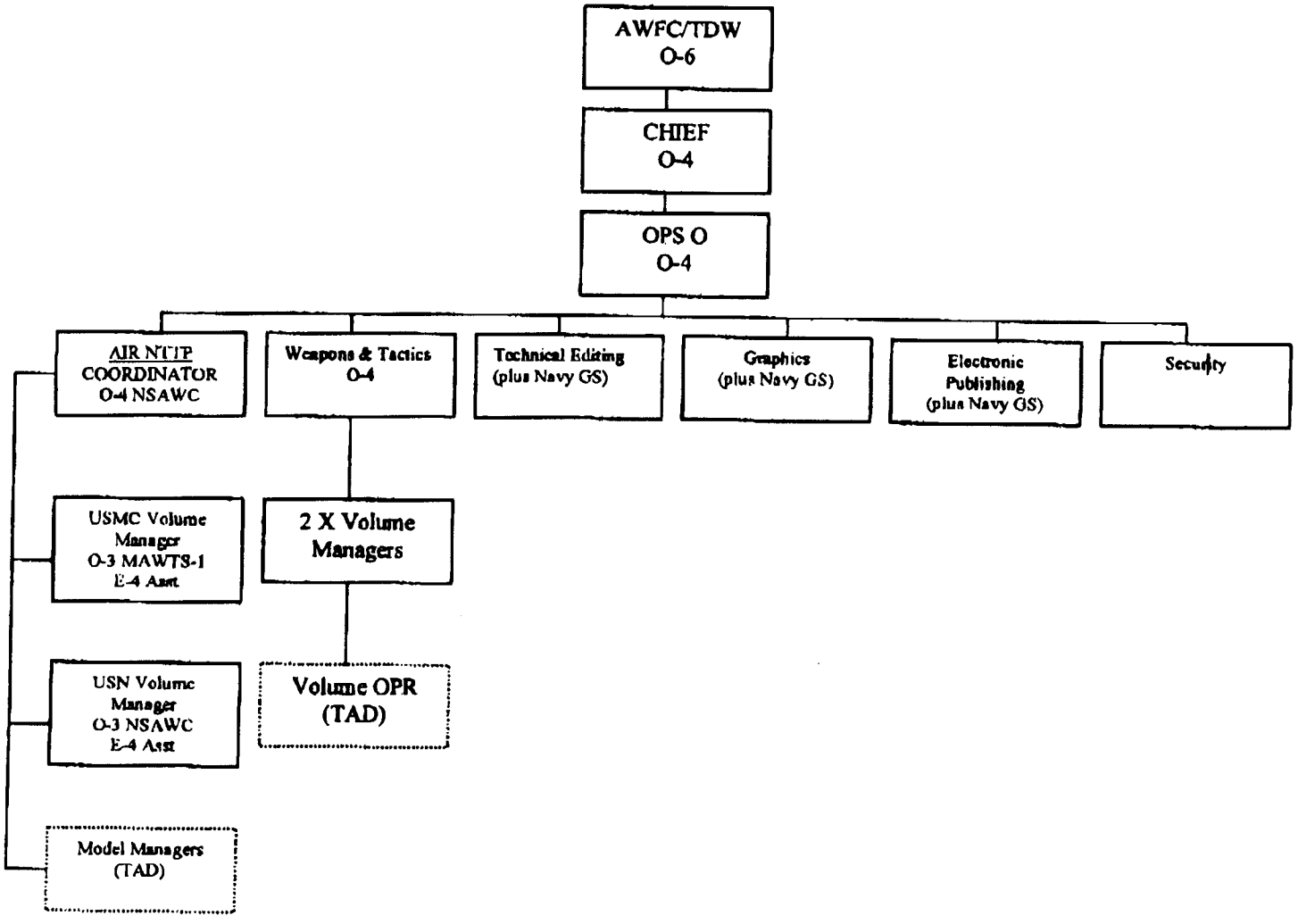
| | |
|---|---|
| SNDL | |
| A6 | (CMC Washington DC (APP, APW, AAB, APC, ASL, ASM, AS)) |
| 21A | (Fleet Commanders in Chief) |
| 22A | (Fleet Commanders) |
| 23 | (Force Commanders) |
| 24A | (Air Force Commanders) |
| 24D | (Surface Force Commanders) |
| 24J | (Marine Corps Forces Commands) |
| 26F | (Operational Test and Evaluation Force) |
| 26XXX | (Airborne Mine Countermeasures Weapon Systems Training School) |
| 28A | (Carrier Group) |
| 28B | (Cruiser-Destroyer Group) |
| 42E | (Type Wing Commanders) |
| 42J | (Carrier Air Wing (CVW)) |
| 42L | (Fighter Squadron (VF)) |
| 42N | (Sea Control Squadron (VS)) |
| 42P | (Patrol and Reconnaissance Wing and Squadron (VP/VPU)) |
| 42S | (Air Test and Evaluation Squadron (VX) and Antarctic Development Squadron (VXE)) |
| 42U | (Helicopter Combat Support Squadron (HC)) |
| 42W | (Helicopter Mine Countermeasures Squadron (HM)) |
| 42Z | (Electronic Attack Squadron (VAQ)) |
| 42BB | (Helicopter Anti-Submarine Squadron (HS)) |
| 42CC | (Helicopter Anti-Submarine Squadron Light (HSL)) |
| 42DD | (Carrier Airborne Early Warning Squadron (VAW) |
| 42FF | (Strike-Fighter Weapons School) |
| 42GG | (Strike Fighter Squadron (VFA)) |
| 46 | (Fleet Marine Force – Aviation) |
| FKR6E | (Strike Aircraft Test Squadron) |
| FF60 | (Strike and Air Warfare Center) |
| FKA1A | (Air Systems Command (3.0, 4.0, 4.0P, 4.1, 4.11.2, and 5.0)) |
| FKR7D | (Air Technical Data and Engineering Service Command) |
| FKR6A | (NAVAIRWARCENACDIV Patuxent River MD (Air 3.4)) |
| FF44A | (COMNAVWARDEVCOM Newport RI (N5)) |
| V12 | (CG MCCDC Quantico VA) |
| OPNAV | (N78, N780, N781, N789) |

## USAF AFTTP/NAVY/MARINE CORPS STRUCTURE COMPARISON




Enclosure (1)

## AIR WARFARE CENTER / WEAPONS TACTICS DOCUMENTATION DIVISION




Enclosure (2)